

INTERNATIONAL SEARCH REPORT

Int. Patent Application No.
PCT/GB 03/05503

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C08K3/00 C08K3/04 C08K3/34 C08L83/04		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C08K C08L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 197 869 B1 (HECKMANN WALTER ET AL) 6 March 2001 (2001-03-06) Table 1 No. 3 claims 1-4,8	1,2, 4-12,19
Y	---	3
X	WO 01/88029 A (HOCH MARTIN ; JABS GERT (DE); BAYER AG (DE); MAUERER OTTO (DE)) 22 November 2001 (2001-11-22) examples 3C,3H; table 3 claims 1,11-13	1,2, 4-12,19
Y	---	3
Y	US 6 492 453 B1 (JOZOKOS MARK A ET AL) 10 December 2002 (2002-12-10) claims 1,5,7-11	3

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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">29 April 2004</div>	Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">1. 05. 04</div>	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer <div style="text-align: center; font-weight: bold;">Russell, G</div>	

INTERNATIONAL SEARCH REPORT

 Int. Application No.
 PCT/GB 03/05503

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 207 085 B1 (ACKERMAN EVA) 27 March 2001 (2001-03-27) claims 1,3,5,7-12,15-20 ---	1,2, 4-13,16, 18,21
X	US 6 031 040 A (HORACEK HEINRICH) 29 February 2000 (2000-02-29) column 2, line 2 - line 17 claims ---	1,2, 4-12,19
A	US 5 508 321 A (BREBNER KEITH I) 16 April 1996 (1996-04-16) claims ---	1,13,14, 17,19, 21-29
A	EP 0 519 863 A (HILTI AG) 23 December 1992 (1992-12-23) claims 1,2,5 ---	1,13,14, 17,19, 21,22, 24-29
A	US 4 694 030 A (EBNETH HAROLD ET AL) 15 September 1987 (1987-09-15) column 2, line 64 -column 3, line 2 ---	20,24-29
A	US 5 262 454 A (LEROUX ROLAND ET AL) 16 November 1993 (1993-11-16) example ---	20,24-29
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 September 1999 (1999-09-30) - & JP 11 158354 A (TOSHIBA CHEM CORP), 15 June 1999 (1999-06-15) abstract ---	20,24-26
X	EP 0 995 778 A (BASF CORP) 26 April 2000 (2000-04-26) paragraph '0030! claims 1-7 ---	20,24-26
X	US 5 760 155 A (MOWRER NORMAN R ET AL) 2 June 1998 (1998-06-02) column 14, line 10 - line 19 claim 1 ---	20,24-26
X	US 4 624 998 A (KEIL JOSEPH W) 25 November 1986 (1986-11-25) examples 8,9 claims 1,2,8-12 ---	20,24-26

INTERNATIONAL SEARCH REPORT

national application No.
PCT/GB 03/05503

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-22, 24-29
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-19, 21-22

Composition comprising (a) particulate material which expands on application of heat, and (b) particulate nano-filler together with at least one polymer and/or curable monomer or oligomer; cured article therefrom and process for manufacture of said cured article; method of making adhesive bond with said composition; particulate composition comprising (a) and (b); composition comprising (a) and (b), optionally flame retardant additives with reactive monomers, oligomers, polymers given by a. to i.

2. Claims: 23, 29

A fire resistant material comprises a polymer blend of at least one silicone polymer; and its use as a fire-retardant.

3. Claims: 20, 24-29

A curable composition containing one or more reactive monomers, oligomers and polymers comprising a polyorganosiloxane containing one or more selected functional groups, and a second component whose reactive species is selected from a. to c.; and its use as a fire-retardant.

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/GB 03/05503

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Information on patent family members

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